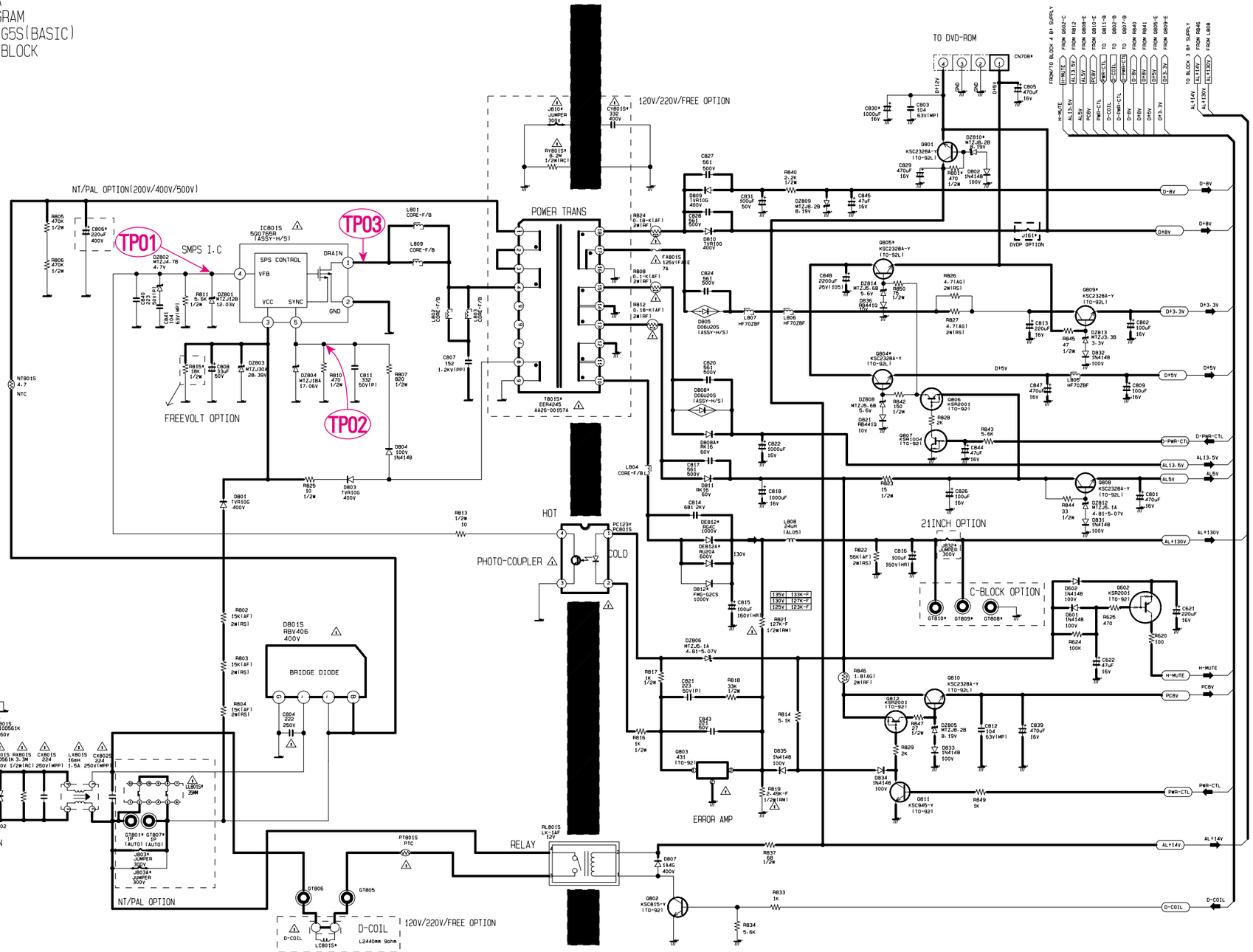
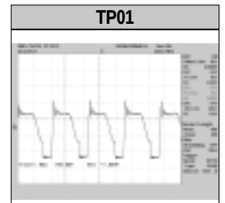
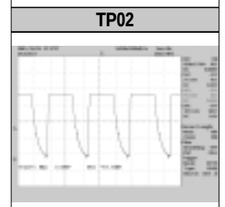
9. Schematic Diagrams

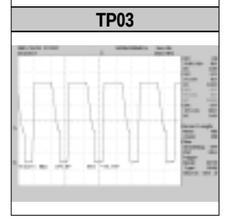
9-1 POWER BLOCK

CHASSIS : VC1A
SCHEMETIC DIAGRAM
MODEL : SMD-2165S(BASIC)
BOARD : POWER BLOCK
BLOCK NO : 1

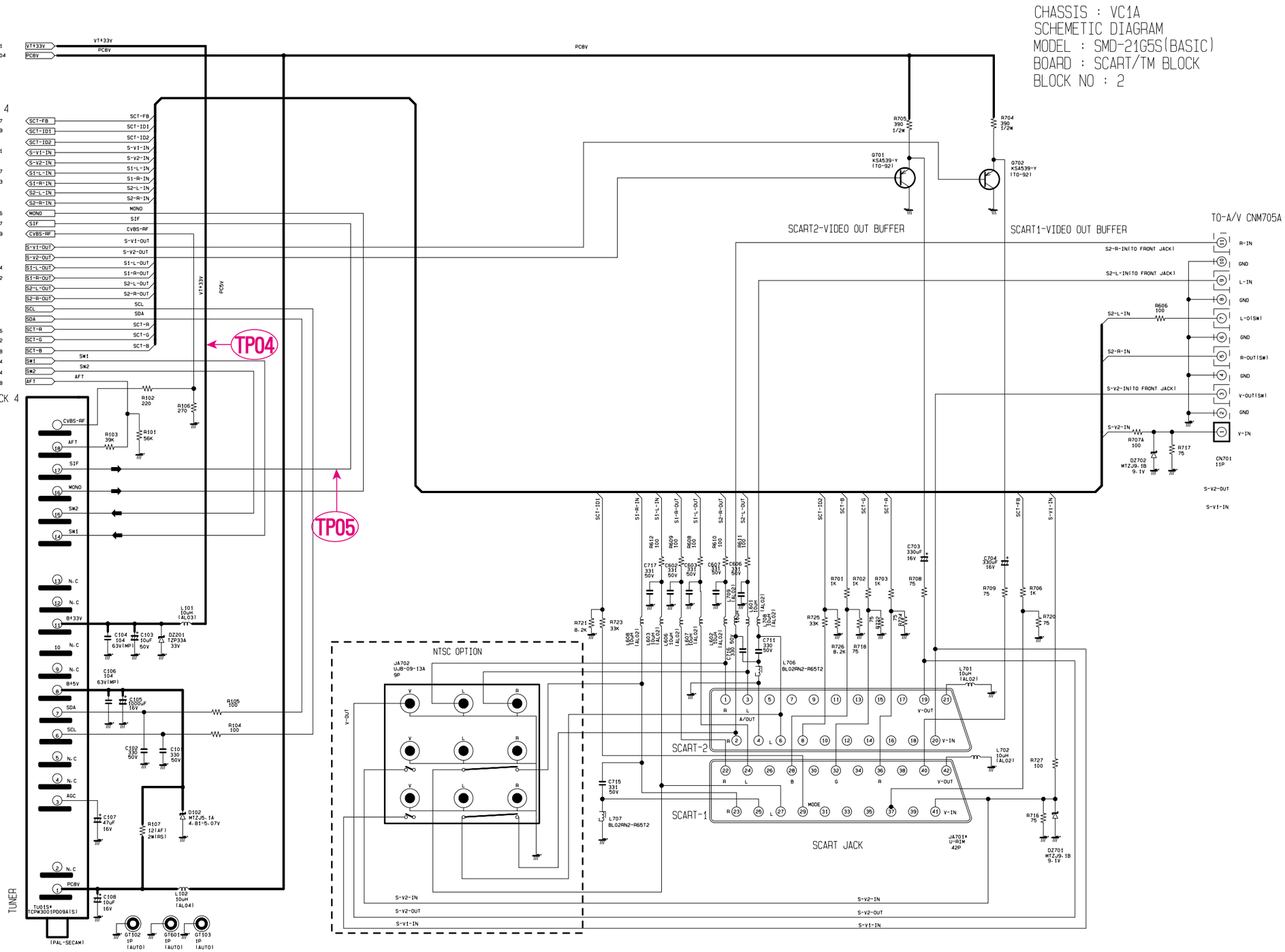




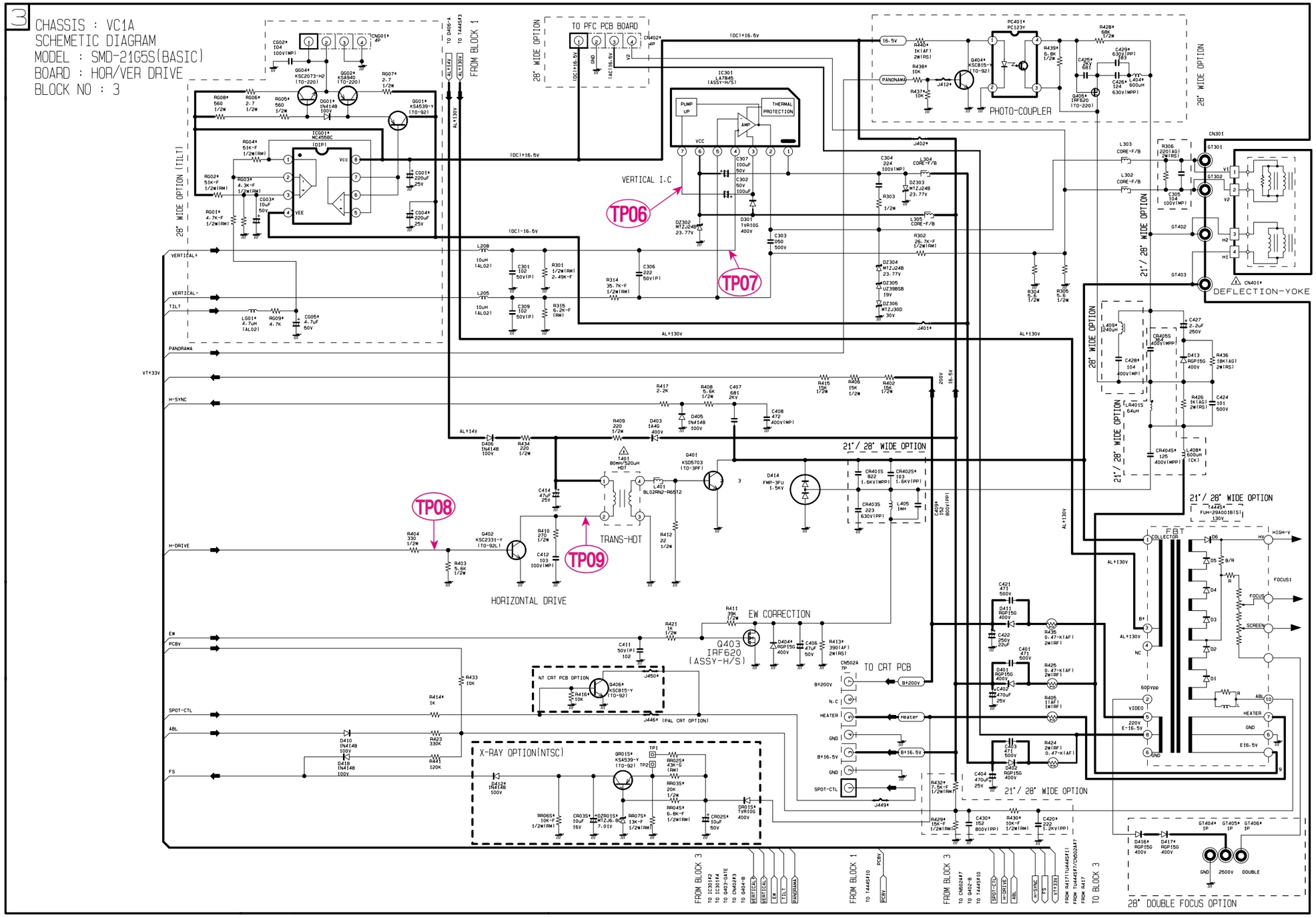




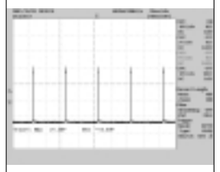
9-2 SCART/TM BLOCK



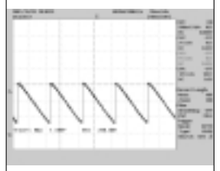
9-3 HOR/VER DRIVE



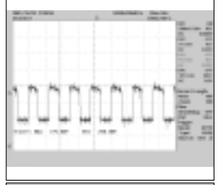
TP06



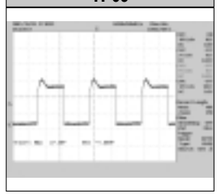
TP07



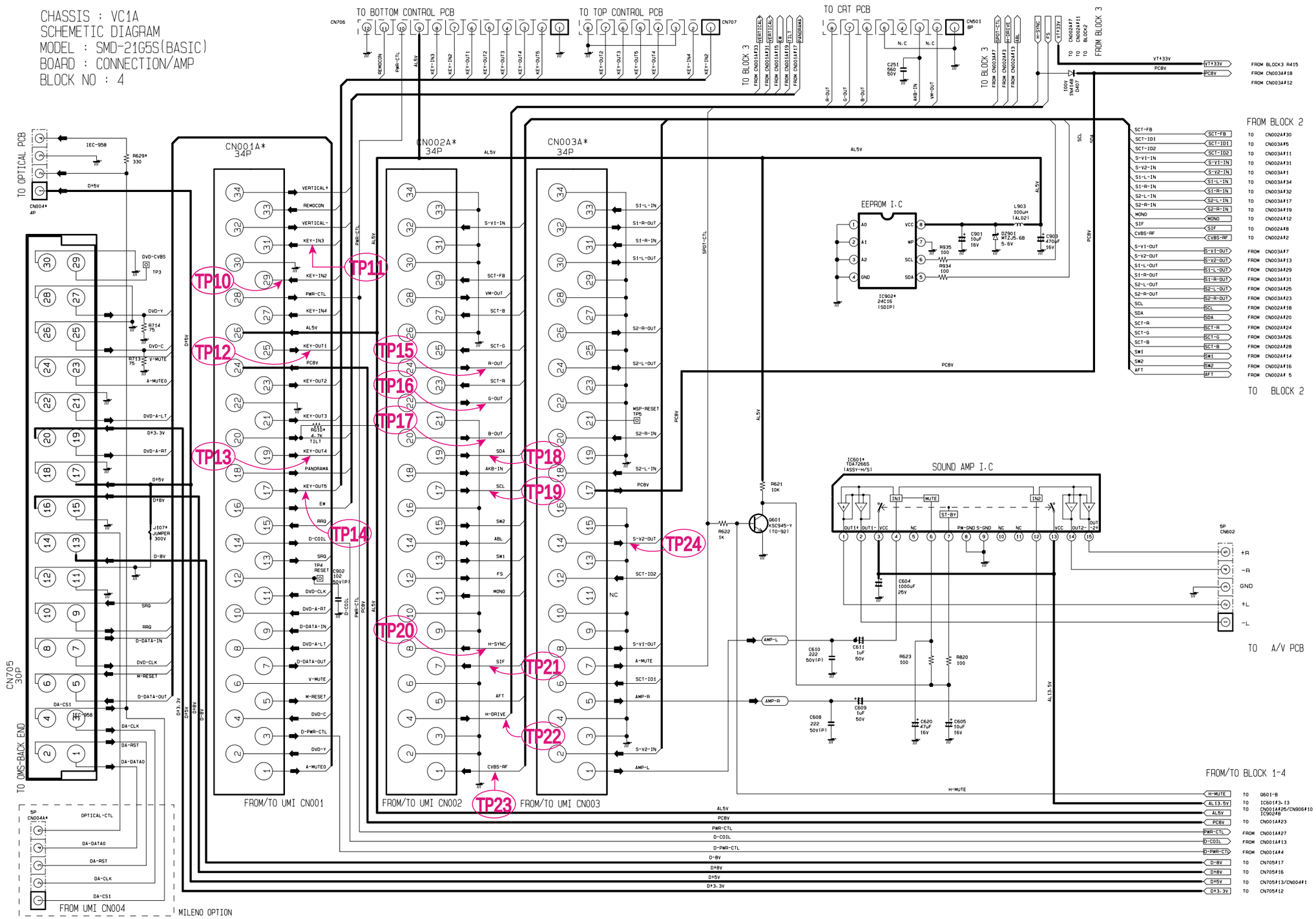
TP08



TP09

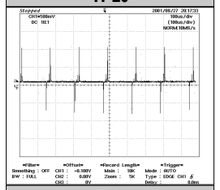


9-4 CONNECTION/AMP BLOCK

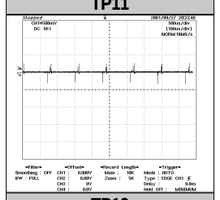


9-4-1 CONNECTION/AMP BLOCK

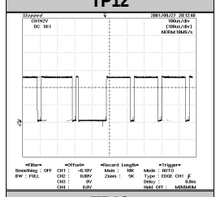
TP10



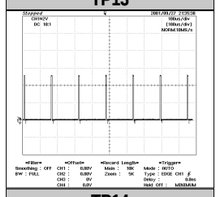
TP11



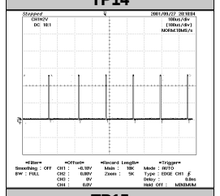
TP12



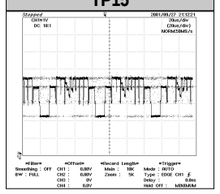
TP13



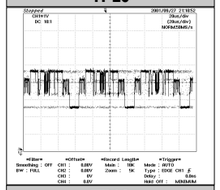
TP14



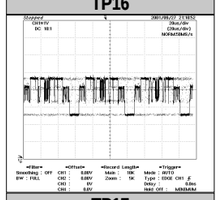
TP15



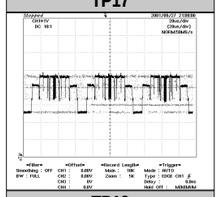
TP16



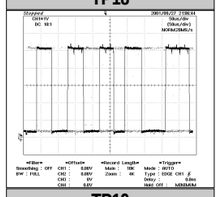
TP16



TP17



TP18



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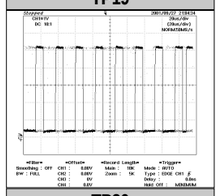

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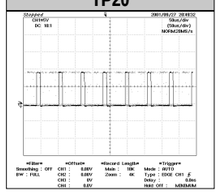

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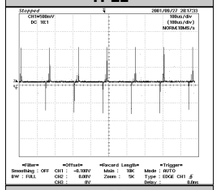
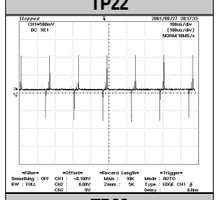
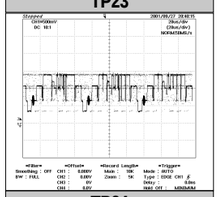


TP22



TP23



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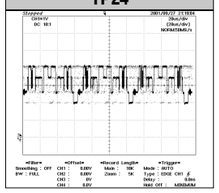
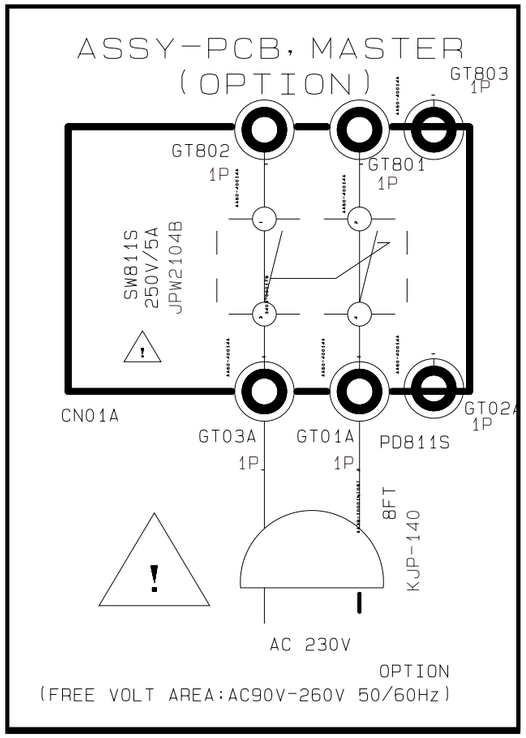
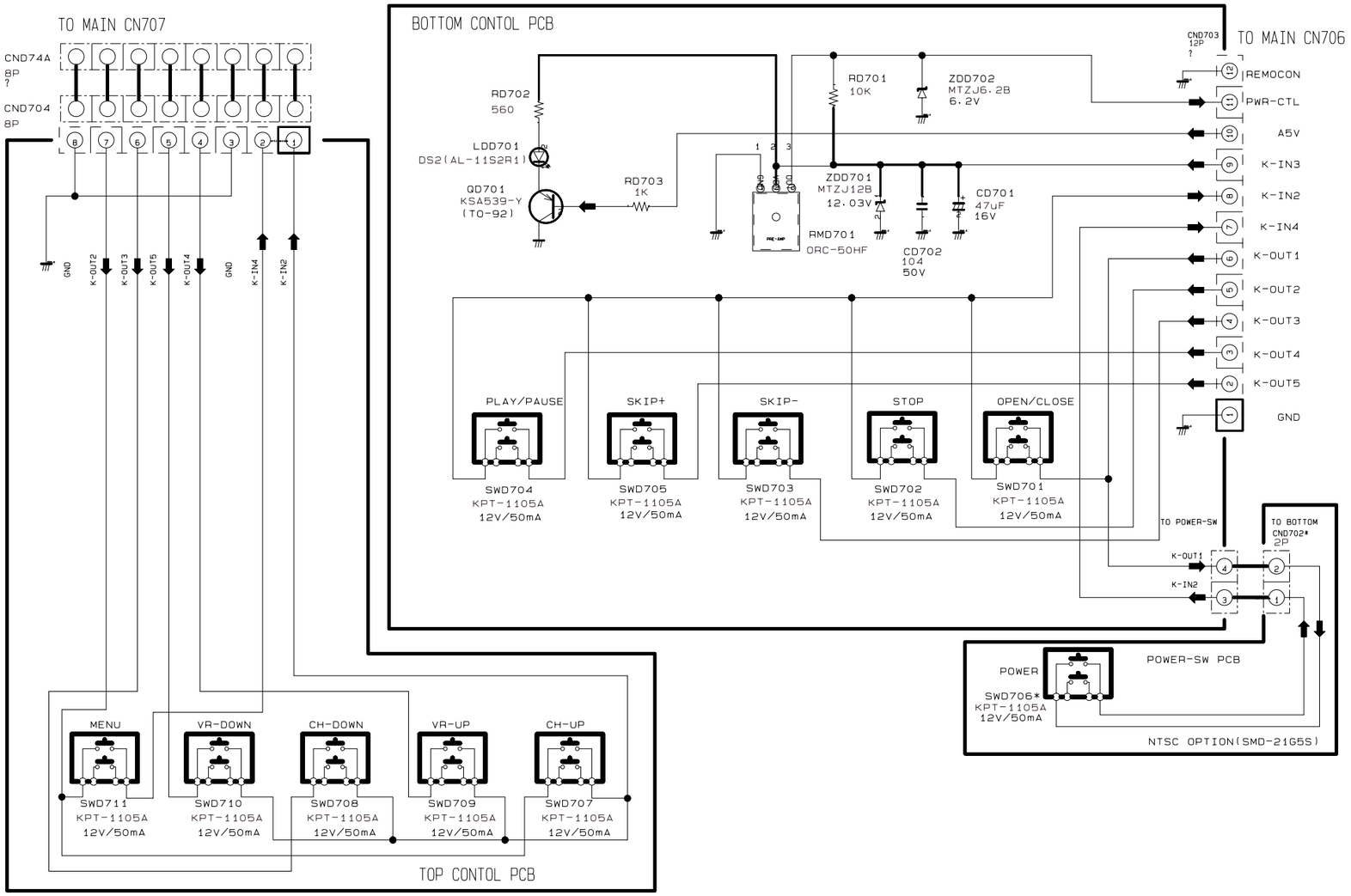


9-5 MASTER, CONTROL

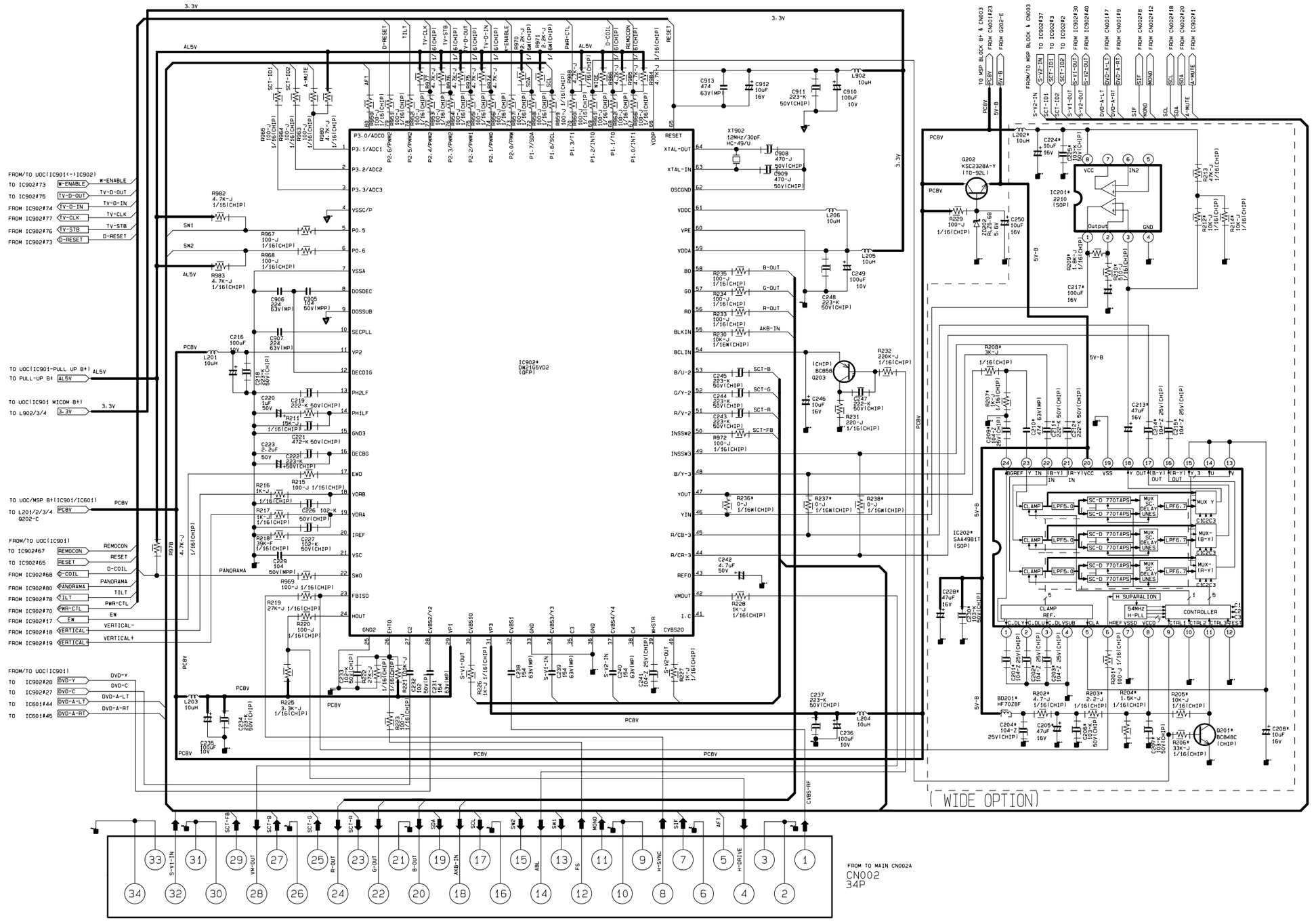
MASTER



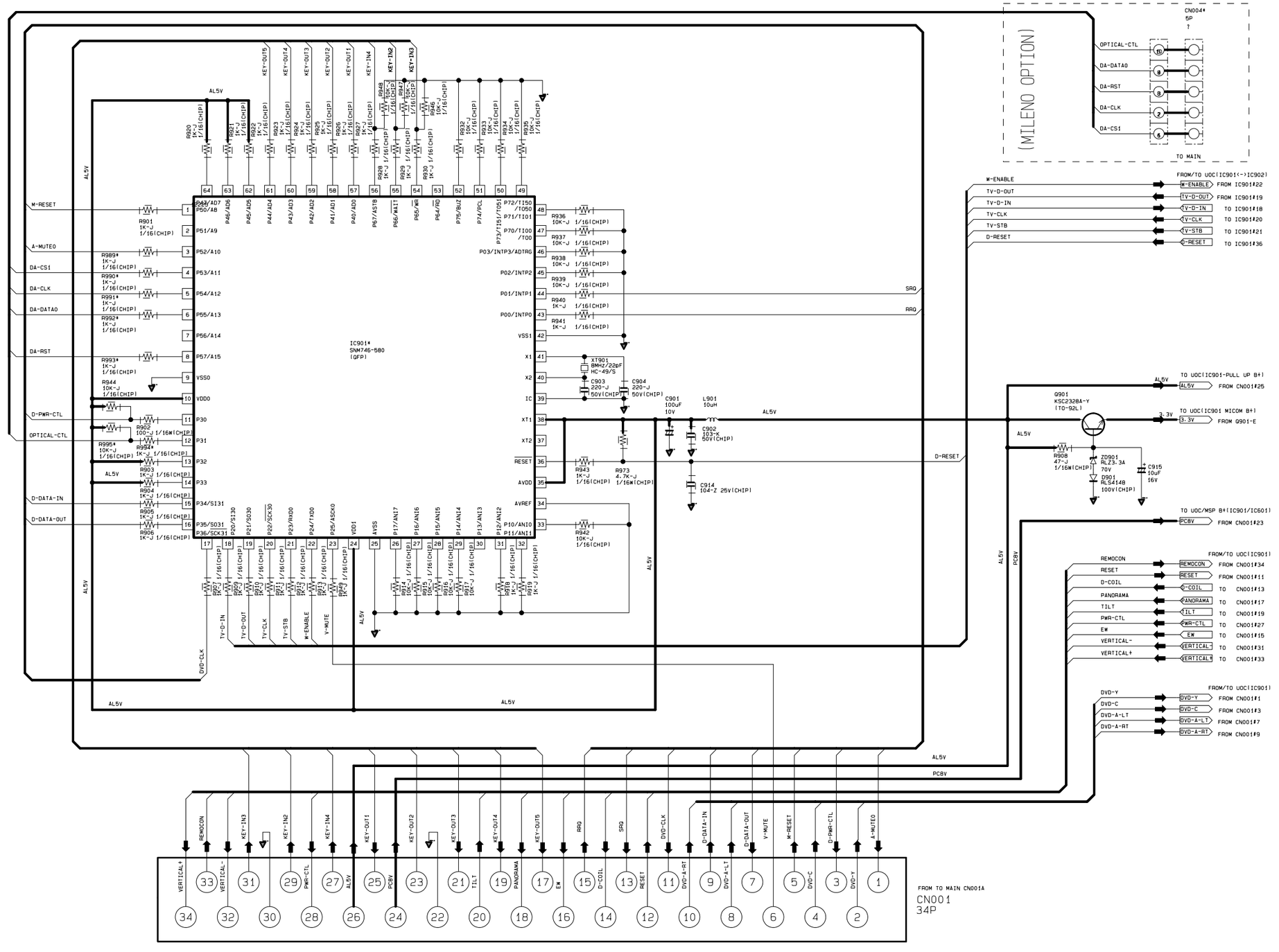
CONTROL



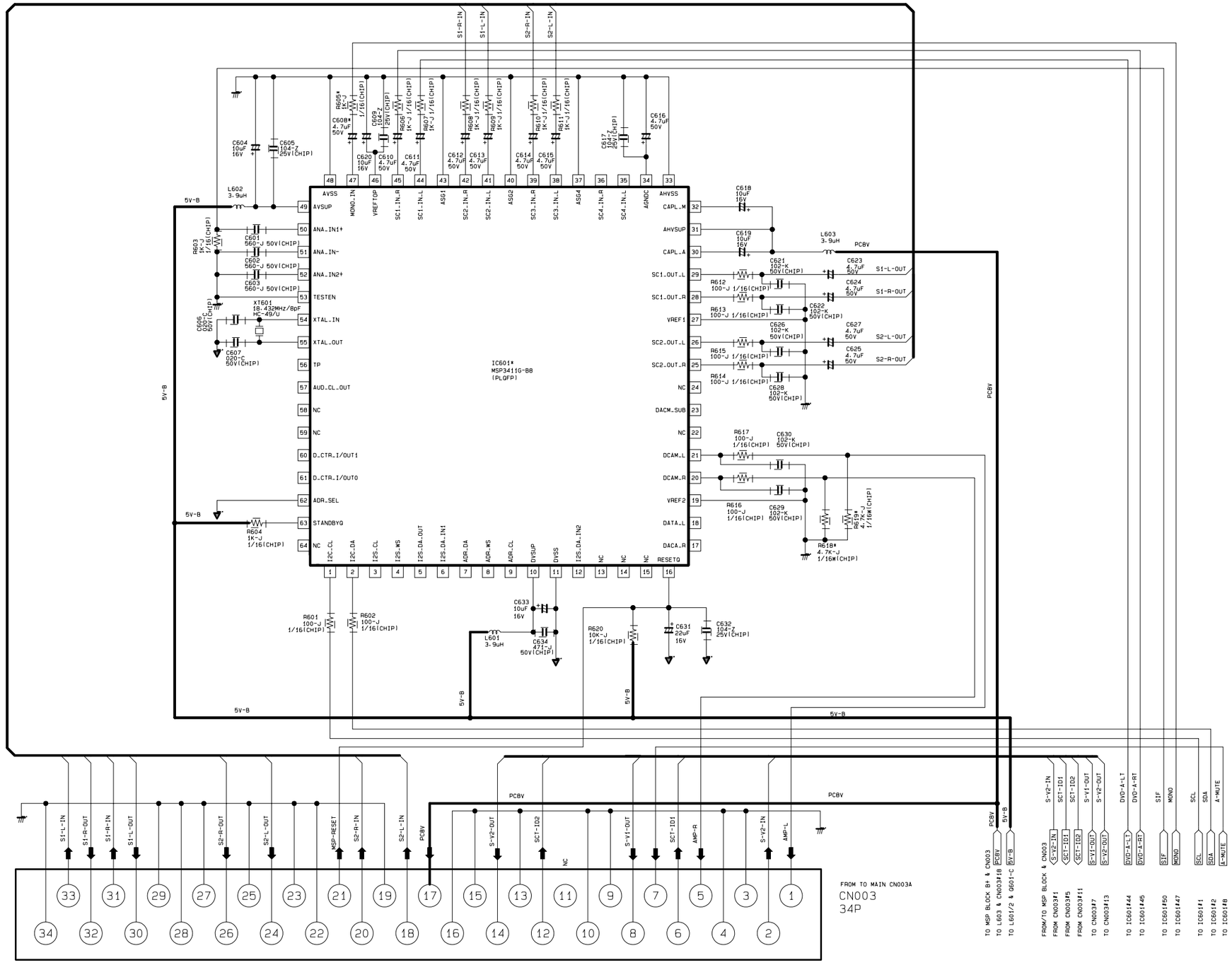
9-6 UMI(MICOM)


3.3V
AL5V
PCBV
5V-B
P3.0/ADC0
P3.1/ADC1
P3.2/ADC2
P3.3/ADC3
VSSC/P
P0.5
P0.6
VSSA
DOSDEC
DOSSUB
SECPLL
VP2
DECDIG
PH2LF
PH1LF
GND3
DECBG
EWD
VDRB
VDRA
IREF
VSC
SWO
FBISO
HOUT
RESET
XTAL-OUT
XTAL-IN
OSCGND
VDDC
VPE
VDDA
BO
GO
RO
BLKIN
BCLIN
B/U-2
G/Y-2
R/V-2
INSSW2
INSSW3
B/Y-3
YOUT
YIN
R/CB-3
R/CR-3
REFO
VMOUT
I.C
CVBS20
IC902*
OM2165VD2
(OPT)
XT902
12MHz/30pF
HC-49/U
FROM/TO UOC(IC901(->)IC902)
TO IC902#73 W-ENABLE
TO IC902#75 TV-D-OUT
FROM IC902#74 TV-D-IN
FROM IC902#77 TV-CLK
FROM IC902#76 TV-STB
FROM IC902#73 D-RESET
TO UOC(IC901-PULL UP B+)
TO PULL-UP B+
TO UOC(IC901 MICOM B+)
TO L902/3/4
TO UOC/MSP B+(IC901/IC601)
TO L201/2/3/4 Q202-C
FROM/TO UOC(IC901)
REMOCON
RESET
D-COIL
PANORAMA
TILT
PWR-CTL
EW
VERTICAL-
VERTICAL+
FROM/TO UOC(IC901)
DVD-Y
DVD-C
DVD-A-LT
DVD-A-RT
TO MSP BLOCK B+ & CN003
FROM/TO MSP BLOCK & CN003
S-V2-IN
SCT-ID1
SCT-ID2
S-V1-OUT
S-V2-OUT
DVD-A-LT
DVD-A-RT
SIF
MONO
SCL
SDA
A-MUTE
IC201*
2210
(SOP)
VCC
IN2
Output
GND
IC202*
SAA4981T
(SOP)
CLAMP
LPF5.0
SC-D 770TAPS
MUX SC DELAY LINES
LPF6.7
MUX Y
MUX-(B-Y)
MUX-(R-Y)
CLAMP REF.
H SUPARATION
54MHz H-PLL
CONTROLLER
(WIDE OPTION)
FROM TO MAIN CN002A
CN002
34P

9-7 UMI(INTERFACE)

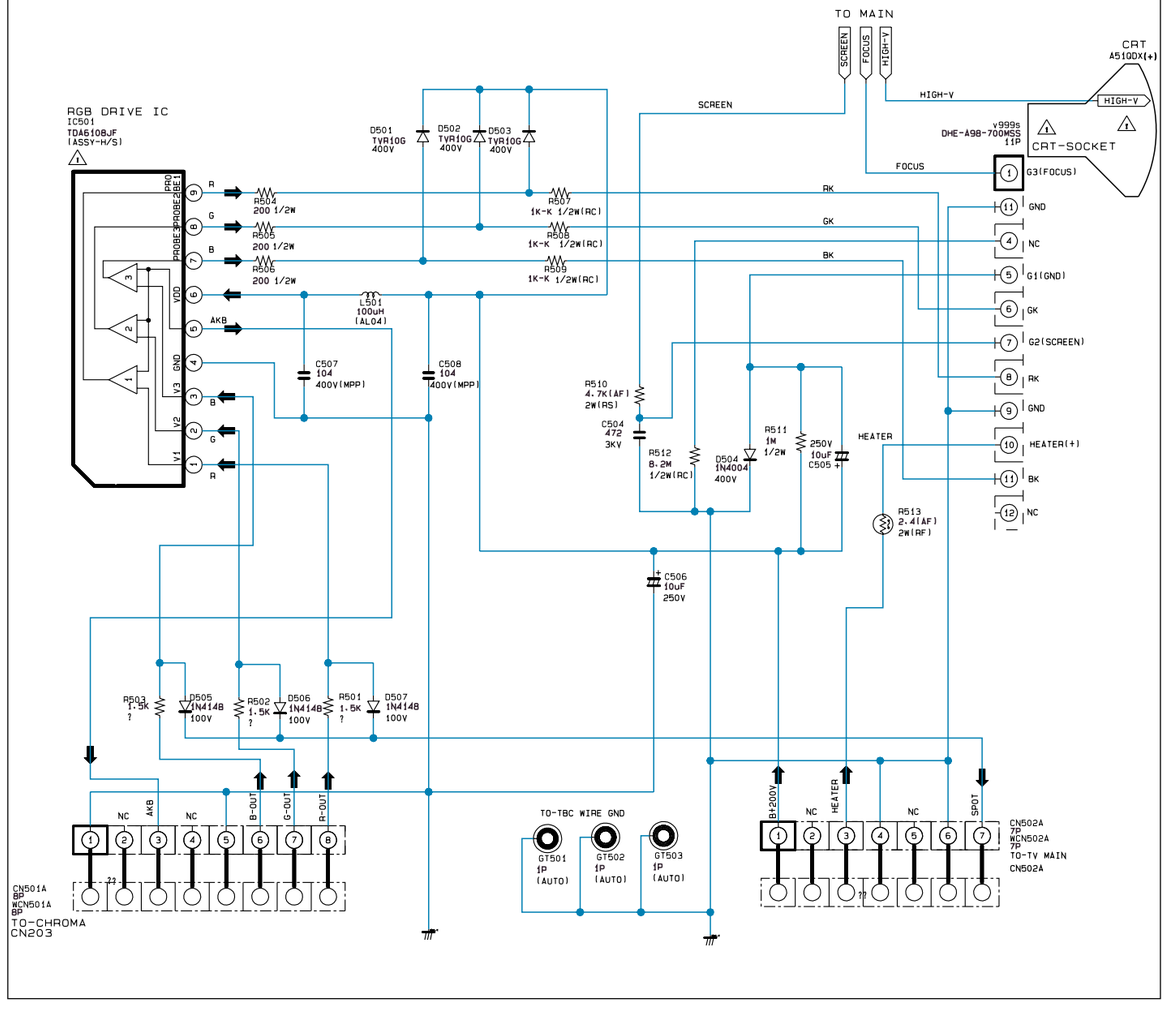


9-8 UMI(MSP)

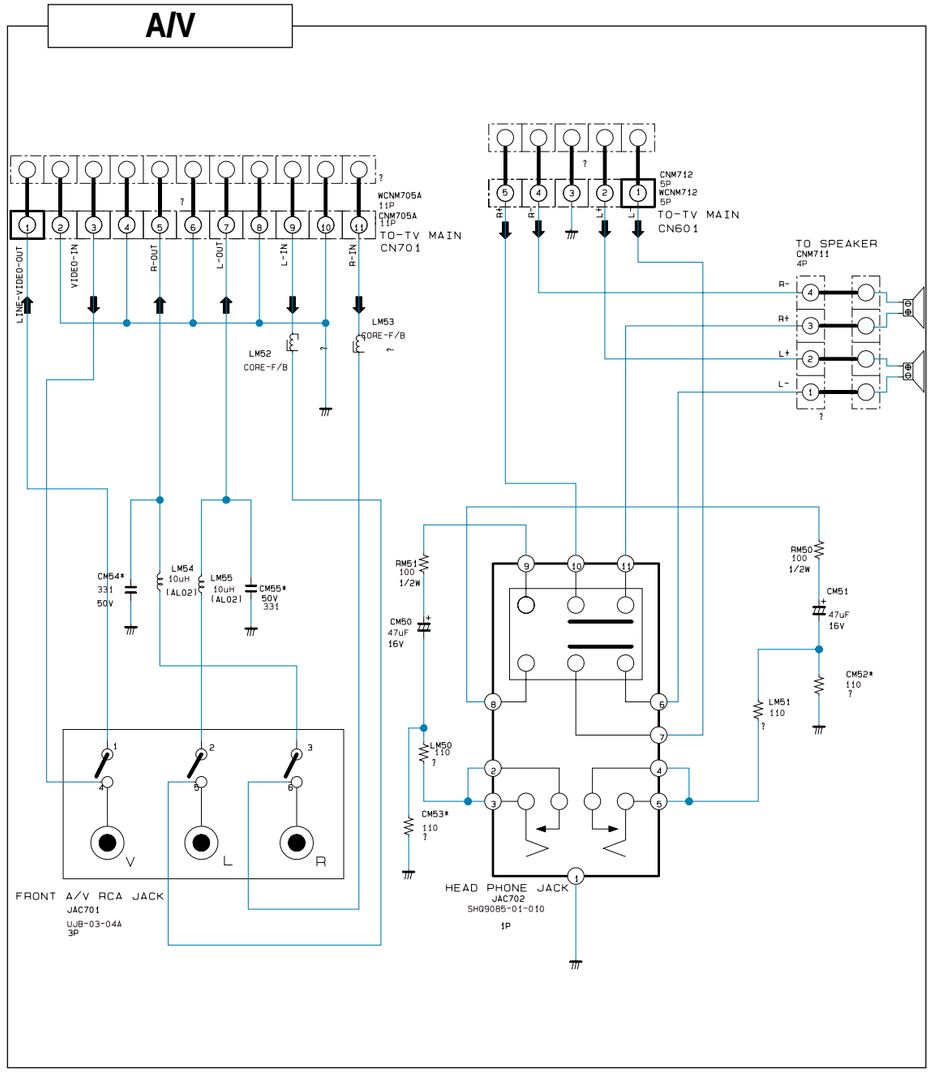

IC601*
MSP3411G-B8
(PLQFP)
FROM TO MAIN CN003A
CN003
34P
5V-B
PCBV
S1-L-IN
S1-R-OUT
S1-R-IN
S1-L-OUT
S2-R-OUT
S2-L-OUT
MSP-RESET
S2-R-IN
S2-L-IN
S-V2-OUT
SCT-ID2
S-V1-OUT
SCT-ID1
AMP-R
S-V2-IN
AMP-L
NC
TO MSP BLOCK B+ & CN003
TO L603 & CN003#18
TO L601/2 & Q601-C
FROM/TO MSP BLOCK & CN003
FROM CN003#1
FROM CN003#5
FROM CN003#11
TO CN003#7
TO CN003#13
TO IC601#44
TO IC601#45
TO IC601#50
TO IC601#47
TO IC601#1
TO IC601#2
TO IC601#48
DVD-A-LT
DVD-A-RT
SIF
MONO
SCL
SDA
A-MUTE

9-9 CRT, A/V

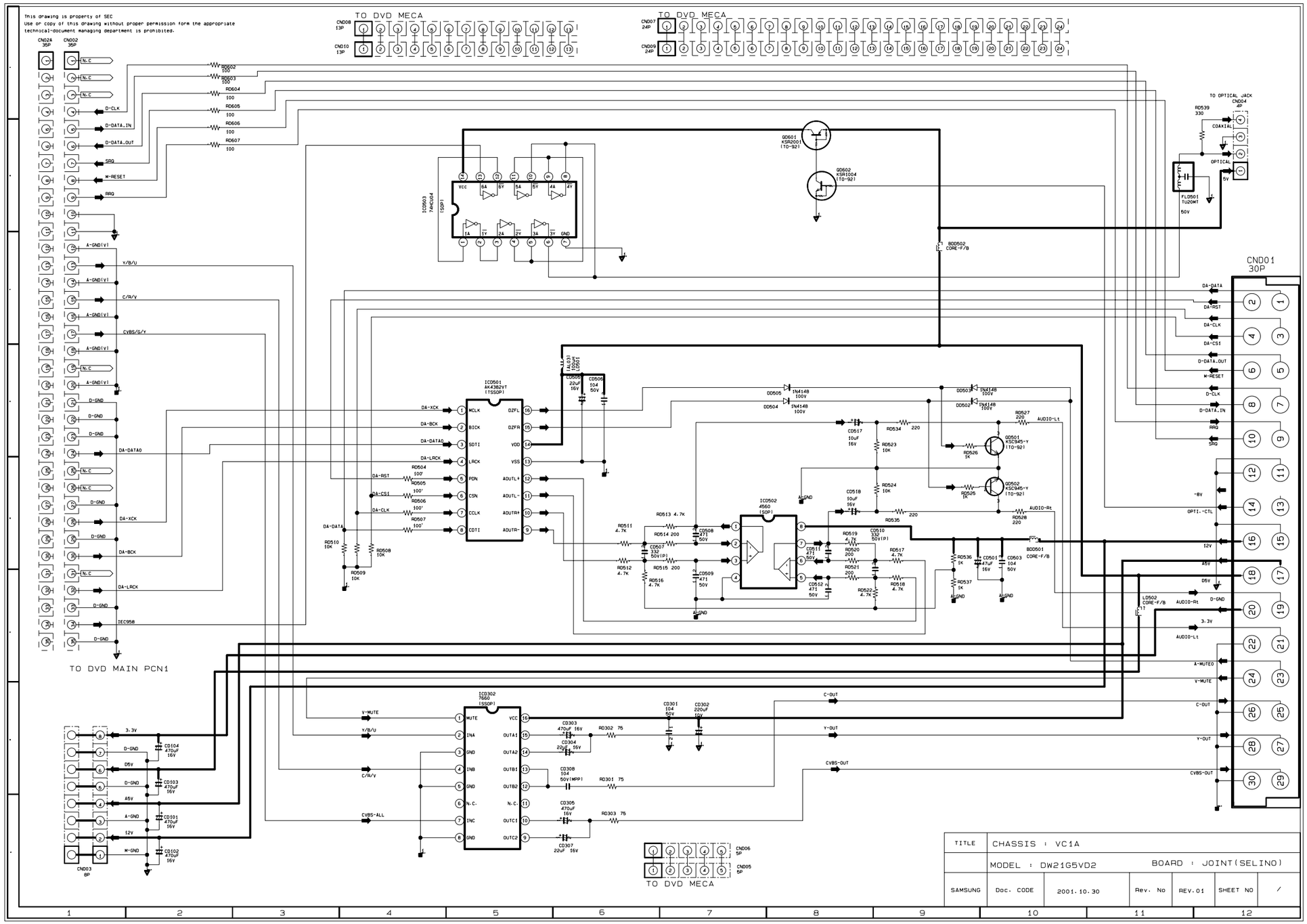
CRT



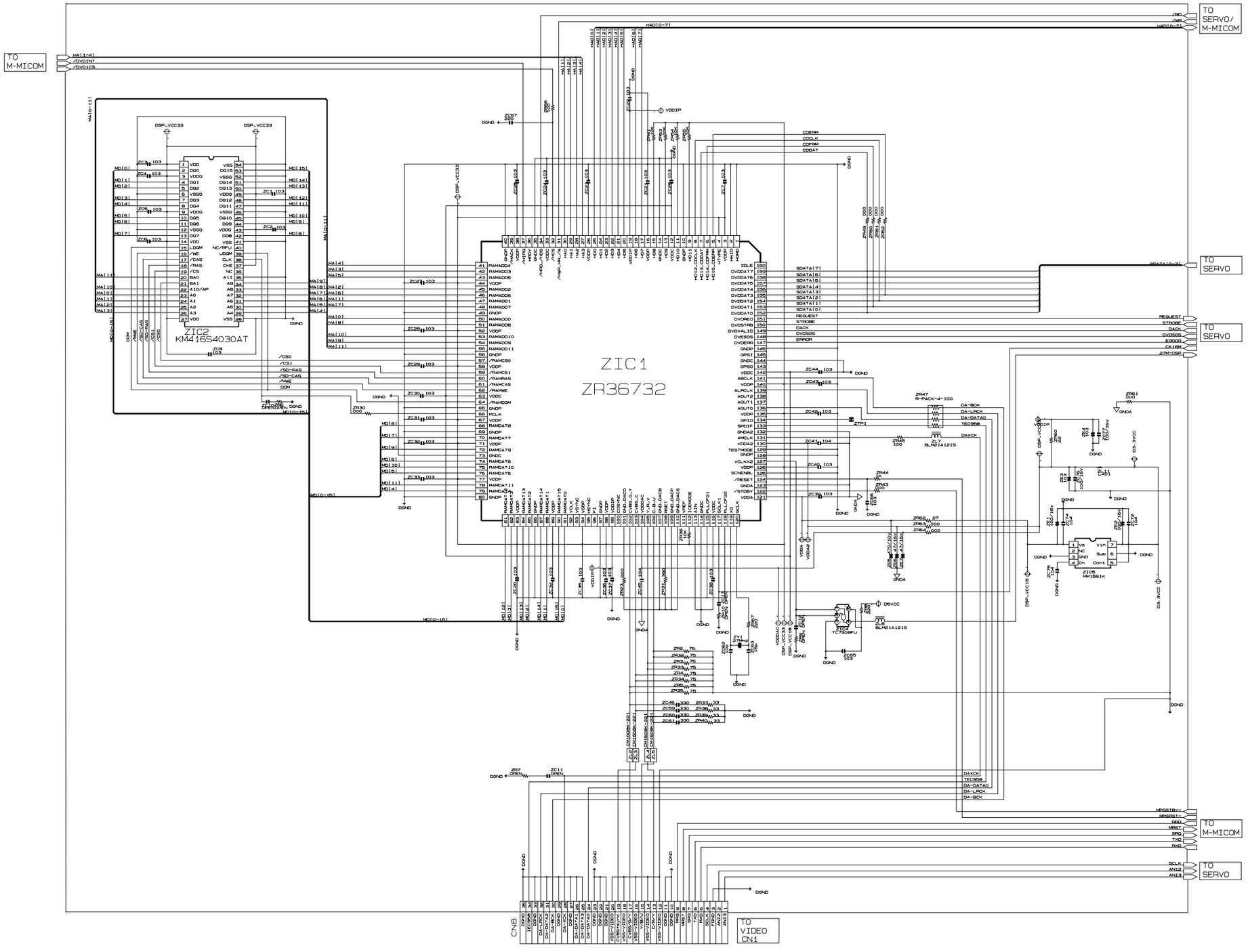
A/V



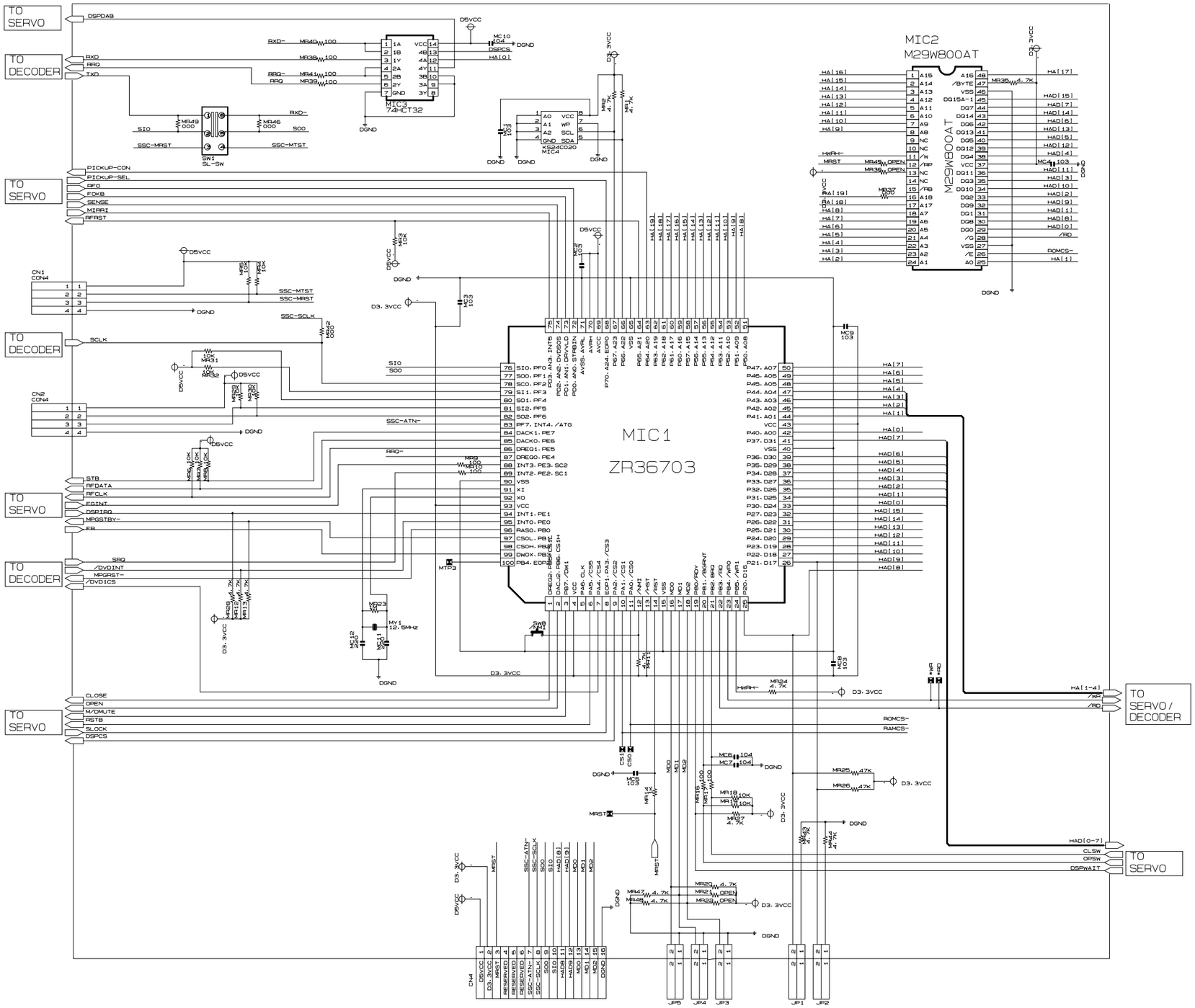
9-10 INTERFACE



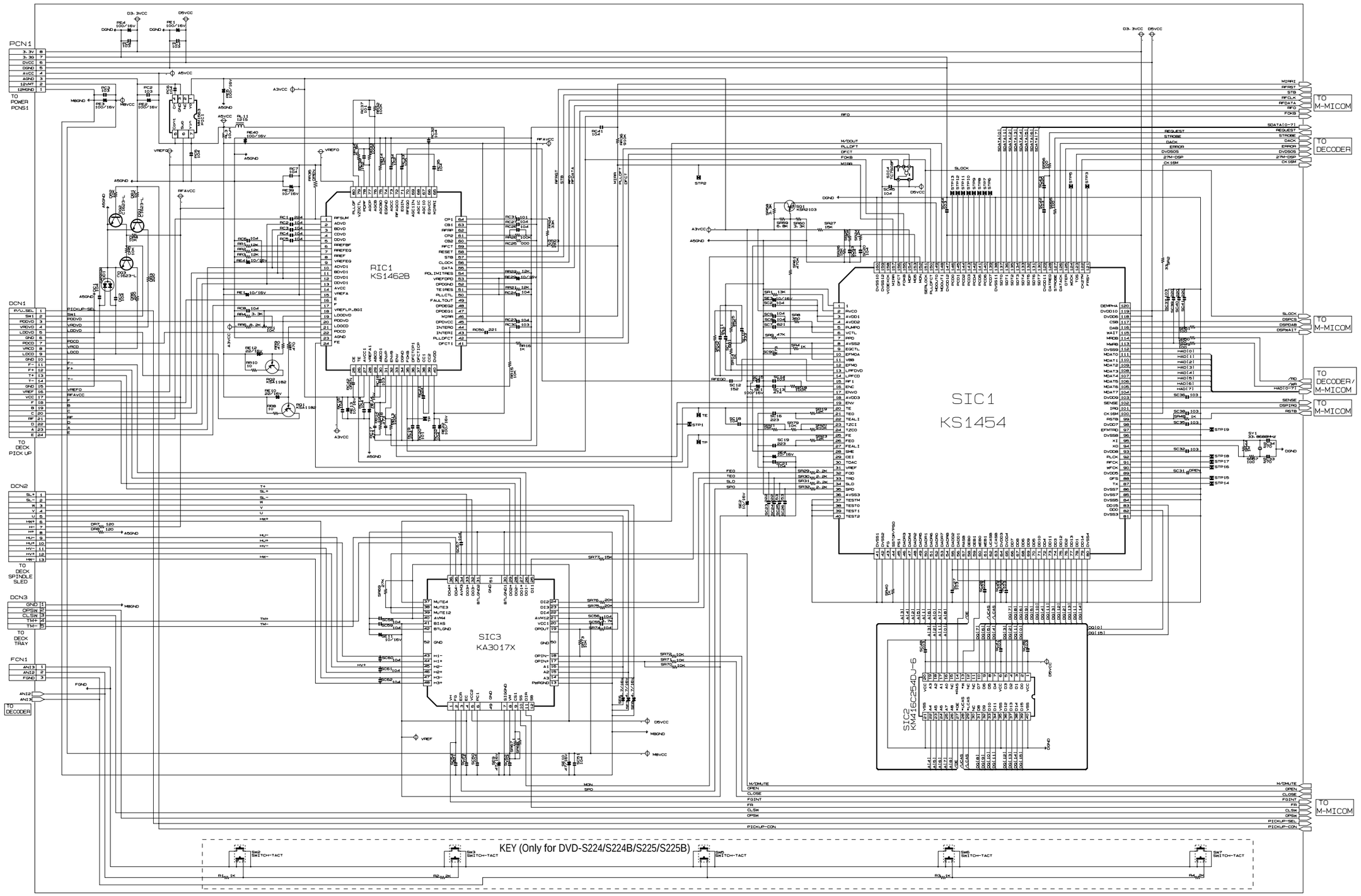
9-11 AV-Decoder



9-12 MAIN-MICOM



9-13 SERVO/KEY



9-14 Chief IC PIN voltage

IC301 LA7845

PIN NO.	PIN NAME	—
1	GND	-13.73V
2	OUT	0.2V
3	OUT	17.14V
4	VDN	1.05V
5	VDP	1.03V
6	VCC	16.86V
7	PUMP UP	11.91V

IC801S

PIN NO.	VOLTAGE
3	24.4V

CN001A

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	2.5V	25	4.3V
6	1.5V	26	5.1V
11	2V	28	3.1V
16	3.2V	32	2.1V
18	5V	33	5.1V
24	8.3V	34	0.9V

CN002A

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	1.4V	17	2.5V
4	0.7V	18	6V
5	2.5V	19	2.3V
8	1V	20	3V
11	2.1V	22	3V
12	3V	24	2.7V
13	4.7V		

CN003 A

PIN NO.	VOLTAGE
18	2.8V
11	5.1V
14	2.8V
17	8.2V
21	5V